

Serial No.: 10/030,806
Response dated 10 August 2004
Reply to Office Action mailed 10 March 2004

Listing of Claims:

1. (Previously Presented) A telecommunications mast installation comprising:

a mast;

a telecommunications antenna supported by the mast; and

a foundation structure supporting the mast;

the foundation structure including an enclosed chamber situated at least partially underground, the chamber having a roof and a base, and defining an internal space which is accessible to personnel and which accommodates electronic equipment associated with operation of the antenna, the mast passing through an opening in the roof with a foot at the lower end of the mast supported by the base, wherein the base acts as a structural foundation for the mast and the roof serves as a lateral support means to restrain lateral movements of the mast at a position above the base without transfer of bending moments between the mast and the foundation structure.

2. (Previously Presented) An installation according to claim 1 wherein the chamber is fully underground.

3. (Canceled)

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4. (Previously Presented) An installation according to claim 1, further comprising a seat in or on the base, wherein the foot of the mast is seated on the seat, the seat restraining lateral movements of the foot of the mast at the base.

5. (Canceled)

6. (Canceled)

7. (Previously Presented) An installation according to claim 4 further comprising a sleeve about the lower end of the mast, the sleeve being received by the seat and passing through the opening in the roof.

8. (Canceled)

9. (Previously Presented) An installation according to claim 1 further comprising ventilation or air conditioning means for the internal space of the chamber.

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10. (Previously Presented) An installation according to claim 9 further comprising a cubicle mounted on the roof of the chamber above ground level and communicating with the internal space of the chamber, wherein the ventilation or air conditioning means is provided in the cubicle.

11. (Previously Presented) A telecommunications mast installation comprising:

a mast;

a telecommunications antenna supported by the mast;

a foundation structure supporting the mast, the foundation structure including an enclosed chamber defining an internal space, and electronic equipment within the internal space for operating the antenna, and the foundation structure providing access to the internal space when the chamber is at least partially underground; and

a ventilation or air conditioning means for the internal space of the chamber, wherein the ventilation means comprises a ventilation circuit which includes an air intake on the mast, an air exhaust at an elevated position on the mast, air intake ducting leading from the intake to the internal space of the chamber and air exhaust ducting leading from the internal space of the chamber to the air exhaust.

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12. (Previously Presented) An installation according to claim 11 wherein the air exhaust is located towards a top of the mast and includes an air extractor.

13. (Previously Presented) An installation according to claim 11 wherein the mast comprises a hollow monopole mast having an interior, the air intake is an opening in a wall of the mast and the air intake and air exhaust ducting is concealed in the interior of the mast.

14. (Previously Presented) An installation according to claim 1 further comprising a personnel entrance cubicle on the roof of the chamber and a personnel access passage leading from the entrance cubicle to the internal space of the chamber.

15. (Previously Presented) A telecommunications mast installation comprising:

a mast;

a telecommunications antenna supported by the mast; and

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a foundation structure supporting the mast, the foundation structure including an enclosed chamber defining an internal space, and electronic equipment within the internal space for operating the antenna, and the foundation structure providing access to the internal space when the chamber is at least partially underground,

wherein the mast comprises a hollow monopole mast having an interior which extends into the chamber, and personnel access openings into the mast within the chamber, the personnel access openings and the interior of the mast providing a personnel access passage to the chamber.

16. (Previously Presented) An installation according to claim 1 wherein the chamber is constructed of concrete.

17. (Previously Presented) An installation according to claim 16 wherein the chamber is constructed at least partially of precast concrete.

18. (Previously Presented) An installation according to claim 1 further comprising one or more transverse, electric light-supporting arms, each carried

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by the mast at an elevated position and electrical supply cables for each arm extending along the mast.

19. (Canceled)

20. (Canceled)

21. (Previously Presented) A telecommunications mast installation, comprising:

a foundation structure;

a mast mounted on and supported by the foundation structure;

at least one antenna mounted to the mast;

the foundation structure including a hollow chamber defined by a base, a shell supported on and connected to the base, and a roof supported by and connected to the shell; and

a personnel access entrance to the chamber,

the mast passing through an opening in the roof and a foot of the mast supported by the base, the base providing a structural foundation for the mast and the

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roof restraining lateral movement of the mast at a position above the base without transfer of a bending moment between the mast and the foundation structure.

22. (Previously Presented) A telecommunications mast installation, comprising:

a foundation structure;

a mast mounted on and supported by the foundation structure;

the foundation structure including a hollow chamber defined by a base, one or more walls mounted to the base and a roof mounted to the one or more walls;

a personnel access entrance to the chamber;

air intake ducting in the mast communicating between an inlet in the mast and an interior of the chamber; and

air exhaust ducting communicating between the interior of the chamber and an outlet in the mast.